



Application of Coatings in Industry and Means of Transport

Guest Editor:

Dr. Stawomir Kowalski

State University of Applied
Sciences Nowy Sącz, Institute of
Engineering, Zamenhofa 1A, 33-
300 Nowy Sącz, Poland

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Message from the Guest Editor

The use of coatings is becoming increasingly widespread. Initially used to increase the service life of cutting tools, they are now used in practically all areas of science and technology. They are successfully employed in vehicle components, medical technology and in general industry. Progress in the field of coating and their application technology not only increases the service life of components but also reduces the operating costs of technical facilities. Thin anti-wear coatings make it possible to produce machine and equipment parts with increasingly better properties and a low friction coefficient, which translates directly into operational safety. Therefore, the aim of this Special Issue is to present current research results on the practical applications of coatings in industry and means of transport.

In particular, the topic of interest includes but is not limited to:

- Coatings in means of road, rail, air and sea transport;
- Coatings in cosmonautics;
- Coatings in medical engineering;
- Coatings in food processing and packaging;
- Coatings in the energy and fuel industry;





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ul. Wszechnicy Piastowskiej 3, 61-
614 Poznań, Poland

Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

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Coatings Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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